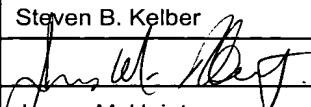


030404  
13281  
USPTO

22581 U.S. PTO  
10/791842

|   |  |  |             |
|---|--|--|-------------|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>Only for new nonprovisional applications under 37 CFR 1.53(b)</small> |  | Attorney Docket No.                      | 3811-008-27 |
|   |  | First Inventor or Application Identifier | Juncheng XU |
| Title   | OPTICAL FIBER SENSORS FOR HARSH ENVIRONMENTS |  |             |

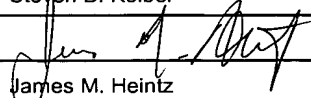
|   |  |  |  |
|---|--|--|--|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents  |  | <b>ADDRESS TO:</b><br>Assistant Commissioner for Patents<br>Box Patent Application<br>PO Box 1450<br>Alexandria, VA 22313-1450   |  |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17)<br>(Submit an original and a duplicate for fee processing)<br><input type="checkbox"/> Applicant claims small entity status.<br>2. <input checked="" type="checkbox"/> Specification                      Total Pages <span style="border: 1px solid black; padding: 0 10px;">22</span><br>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113)    Total Sheets <span style="border: 1px solid black; padding: 0 10px;">3</span><br>4. <input type="checkbox"/> Oath or Declaration                      Total Pages <span style="border: 1px solid black; padding: 0 10px;"></span><br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d))<br>(for continuation/divisional with box 16 completed)<br>5. <input type="checkbox"/> Incorporation By Reference (usable if box 4B is checked)<br>The entire disclosure of the prior application, from which a copy of the<br>oath or declaration is supplied under Box 4B, is considered to be part<br>of the disclosure of the accompanying application and is hereby<br>incorporated by reference therein. |  | <b>ACCOMPANYING DOCUMENTS</b><br>6. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>7. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney<br>(when there is an assignee)<br>8. <input type="checkbox"/> English Translation Document (if applicable)<br>9. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS<br>Statement (IDS)/PTO-1449                      Citations<br>10. <input type="checkbox"/> Preliminary Amendment<br>11. <input checked="" type="checkbox"/> White Advance Serial No. Postcard<br>12. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)<br>13. <input type="checkbox"/> Request for Priority<br>14. <input checked="" type="checkbox"/> List of Inventors' Names and Addresses<br>15. <input type="checkbox"/> Other: |  |
| 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application no.:<br>Prior application information:    Examiner:                      Group Art Unit:   |  |  |  |
| 17. Amend the specification by inserting before the first line the sentence:<br><input type="checkbox"/> This application is a <input type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP)<br>of application Serial No.                      Filed on<br><input type="checkbox"/> This application claims priority of provisional application Serial No.                      Filed   |  |  |  |
| <b>18. CORRESPONDENCE ADDRESS</b><br>Supervisor, Patent Prosecution Services<br>PIPER RUDNICK LLP<br>1200 Nineteenth Street, N.W.<br>Washington, D.C. 20036-2412<br>Telephone No. (202) 861-3900<br>Facsimile No. (202) 223-2085  |  |  |  |

|           |   |                  |               |
|-----------|---|------------------|---------------|
| Name      | Steven B. Kelber  | Registration No. | 30,073        |
| Signature |  | Date             | March 4, 2004 |
| Name      | James M. Heintz   | Registration No. | 41,828        |
|           |   | Telephone        | 202-861-3900  |

|                         |  |  |            |                |          |                     |  |
|-------------------------|--|--|------------|----------------|----------|---------------------|--|
| <b>FEE TRANSMITTAL</b>  |  |  |            | Docket No.     |          | 3811-008-27         |  |
|                         |  |  |            | Serial No.     |          | New Application     |  |
|                         |  |  |            | Filing Date    |          | Herewith            |  |
|                         |  |  |            | Inventor(s)    |          | Juncheng XU, et al. |  |
|                         |  |  |            | Group Art Unit |          |                     |  |
| TOTAL AMOUNT OF PAYMENT |  |  | \$1,626.00 |                | Examiner |                     |  |

|   |          |              |          |  |      |                                    |          |              |          |  |                    |                 |                           |
|---|----------|--------------|----------|--|------|------------------------------------|----------|--------------|----------|--|--------------------|-----------------|---------------------------|
| 1. <input type="checkbox"/> Applicant claims small entity status.<br><input type="checkbox"/> Charge any <b>UNDERPAYMENT</b> or credit any <b>OVERPAYMENT</b> in the indicated fees to Deposit Account No. 50-1442.<br><input type="checkbox"/> Charge the indicated fees to Deposit Account No. 50-1442. |          |              |          |  |      | <b>FEE CALCULATION (continued)</b> |          |              |          |  |                    |                 |                           |
|   |          |              |          |  |      | <b>3. ADDITIONAL FEES</b>          |          |              |          |  |                    |                 |                           |
|   |          |              |          |  |      | Large Entity                       |          | Small Entity |          | Fee Description                                      |                    |                 |                           |
| 2. <input checked="" type="checkbox"/> Check enclosed.  |          |              |          |  |      | Fee Code                           | Fee (\$) | Fee Code     | Fee (\$) |  | Fee Paid           |                 |                           |
| <b>FEE CALCULATION</b>  |          |              |          |  |      | 1051                               | 130      | 2051         | 65       | Surcharge-late filing fee or oath                    | 130.00             |                 |                           |
| <b>1. BASIC FILING FEE</b>  |          |              |          |  |      | 1052                               | 50       | 2052         | 25       | Surcharge-late provisional filing fee or cover sheet |                    |                 |                           |
| Large Entity  |          | Small Entity |          | Fee Description  |      | 1053                               | 130      | 1053         | 130      | Non-English Specification                            |                    |                 |                           |
| Fee Code  | Fee (\$) | Fee Code     | Fee (\$) |  |      | Fee Paid                           | 1251     | 110          | 2251     | 55   | 1-mo. ext. of time |                 |                           |
| 1001  | 770      | 2001         | 385      | Utility filing fee                                       |      |                                    | 1252     | 420          | 2252     | 210  | 2-mo. ext. of time |                 |                           |
| 1002  | 340      | 2002         | 170      | Design filing fee  |      |                                    | 1253     | 950          | 2253     | 475  | 3-mo. ext. of time |                 |                           |
| 1003  | 520      | 2003         | 260      | Plant filing fee   |      |                                    | 1254     | 1480         | 2254     | 740  | 4-mo. ext. of time |                 |                           |
| 1004  | 770      | 2004         | 385      | Reissue filing fee                                       |      | 770.00                             | 1255     | 2010         | 2255     | 1005   | 5-mo. ext. of time |                 |                           |
| 1005  | 160      | 2005         | 80       | Provisional filing fee                                   |      |                                    | 1401     | 330          | 2401     | 165  | Notice of Appeal   |                 |                           |
| <b>SUBTOTAL (1)</b>   |          |              |          |  |      | \$770.00                           | 1402     | 330          | 2402     | 165  | Appeal Brief       |                 |                           |
| <b>2. EXTRA CLAIM FEES</b>  |          |              |          |  |      | 1403                               | 290      | 2403         | 145      | Request for Oral Hearing                             |                    |                 |                           |
| tot. claims   |          | 46           | -        | 20*  | = 26 | x \$18                             | =        | 468          | 1501     | 1330   | 2501               | 665             | Utility/Reissue Issue Fee |
| ind. claims   |          | 6            | -        | 3*   | = 3  | x \$86                             | =        | 258          | 1502     | 480  | 2502               | 240             | Design Issue Fee          |
| <input type="checkbox"/> Multiple Dependent Claims  |          |              |          | \$290  | =    |                                    |          | 1504         | 300      | 1504   | 300                | Publication Fee |                           |
| Large Entity  |          | Small Entity |          | Fee Description  |      | 8001                               | 3        | 8001         | 3        | Advance Copy of Patent                               |                    |                 |                           |
| Fee Code  | Fee (\$) | Fee Code     | Fee (\$) |  |      | 1460                               | 130      | 1460         | 130      | Petitions to the Commissioner                        |                    |                 |                           |
| 1202  | 18       | 2202         | 9        | Claims in excess of 20                                   |      | 1806                               | 180      | 1806         | 180      | IDS Submission                                       |                    |                 |                           |
| 1201  | 86       | 2201         | 43       | Independent claims in excess of 3                        |      | 8021                               | 40       | 8021         | 40       | Assignment recordation                               |                    |                 |                           |
| 1203  | 290      | 2203         | 145      | Multiple dependent claim, if not paid                    |      | 1801                               | 770      | 2801         | 385      | For Filing RCE                                       |                    |                 |                           |
| 1204  | 84       | 2204         | 43       | *Reissue independent claims over original patent         |      | 1814                               | 110      | 2814         | 55       | Terminal Disclaimer                                  |                    |                 |                           |
| 1205  | 18       | 2205         | 9        | *Reissue claims in excess of 20 and over original patent |      | OTHER (indicate below):            |          |              |          |  |                    |                 |                           |
| <b>SUBTOTAL (2)</b>   |          |              |          |  |      | \$726.00                           |          |              |          |  |                    |                 |                           |
| * or number previously paid, if greater; For Reissues, see above  |          |              |          |  |      | <b>SUBTOTAL (3)</b>                |          |              |          |  |                    |                 |                           |
|   |          |              |          |  |      | <b>\$130.00</b>                    |          |              |          |  |                    |                 |                           |

|           |  |   |  |                  |               |        |           |
|-----------|--|---|--|------------------|---------------|--------|-----------|
| Name      |  | Steven B. Kelber  |  | Registration No. |               | 30,073 |           |
| Signature |  |  |  | Date             | March 4, 2004 |        | Telephone |
| Name      |  | James M. Heintz   |  | Registration No. |               | 41,828 |           |